

MASEK, K., MUDr.; STEMBERA, Z., MUDr.; PESEK, J., MUDr.

Collection and transfusion of placental blood. Cesk. gyn. 21 no.5:  
321-325 Sept 56.

1. Ustav pro peci o matku a dite v Praze-Podoli, reditel prof.  
MUDr. J. Trapl. Ustav haematologie a krevni transfuse v Praze,  
reditel MUDr. J. Kidery.

(BLOOD

placental, collection & transfusion (Cs))

(BLOOD TRANSFUSION

placental blood, indic. for use (Cs))

SKAMENOVA, B.; MASEK, K.; STEDERA, Z.

Successful plastic surgery for breast hypertrophy. Cas. lek. cesk.  
96 no.39:1230-1233 27 Sept 57.

1. Prop. int. klin. hyg. epid. fakulta, predmosta prof. J. Syllaba.  
Ustav pro peci o matku a dite v Prase-Podoli; predmosta prof. J. Trapl.  
(BREAST, dis.  
hypertrophy, plastic surg. (Gs))  
(HYPERTROPHY AND HYPERPLASIA, surg.  
plastic for breast hypertrophy (Gs))

STIPEK, Jaroslav, Ins.; BOHAC, V., Ins.; MASEK, Karel, MUDr.

Studies on typical central laboratories in hospitals and polyclinics.  
Cesk.zdravot. 8 no.6:319-329 Je '60.

(LABORATORIES)

(HOSPITALS)

MARATKA, Z.; MASEK, K.; BEDNAR, B.; KRUML, J.

Comparison of results of gastric acidity and secretion tests with results of biopsy tests in the diagnosis of gastritis. Cesk. gastroent. vyz. 15 no.4:276-281 Je '61.

1. II vnitřní oddělení, Ústřední laborator a Patologickoanatomické oddělení nemocnice na Bulovce, I. patologickoanatomický ústav KU v Praze.

(GASTRITIS diag) (BIOPSY) (GASTRIC JUICE)

MASEK, K

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: MD

Affiliation:

Sources: Prague, Prakticky Lekar, Vol 41, No 8, 1961, pp 363-364.

Data: "Experience With Investigating the Activity of Transamidation in Serum in 334 Patients With Suspect Myocardium Infarct."

Authors: MASEK, K., Director of the Central Laboratory, Bulovka Hospital (Ustredni laborator nemocnice Bulovka), Prague 8.

SYMON, L., Director of the First Internal Department, Bulovka Hospital (I. interni oddeleni).

MARATKA, Z., Director of the Second Internal Department, Bulovka Hospital (II. interni oddeleni).

Abstract / Author's English summary: Measurement of renal clearance of total, conjugated and free bilirubin in blood and urine.

QUADRAT, Otakar; MASEK, Karel

On errors and control of analysis of biological material. I. Cas. Lek.  
Cesk. 101 no.8:246-252 23 F '62.

1. Ustredni laborator nemocnice na bulovce, Praha 8, prednosta  
MUDr. Karel Masek.

(BIOCHEMISTRY)

QUADRAT, Otakar; MASEK, Karel

On errors and control in analysis of biological material. II. Cas.  
Lek. Cesk. 101 no.12:370-374 23 Mr '62.

1. Ustredni laborator nemocnice na Bulovce, Praha 8, prednosta MUDr.  
Karel Masek.

(CHEMISTRY ANALYTICAL) (BIOCHEMISTRY)

SVIHOVEC, J.; MASEK, K.; JIRICKA, Z.

Mechanism of the effect of staphylococcus toxin on blood pressure.  
Physiol. bohemoslov. 12 no.1:51-54 '63.

1. Department of Pharmacology, Faculty of Paediatrics, Prague, and  
Central Pharmacology Laboratories, Czechoslovak Academy of Sciences,  
Prague.

|                  |                         |                  |
|------------------|-------------------------|------------------|
| (STAPHYLOCOCCUS) | (TOXINS AND ANTITOXINS) | (BLOOD PRESSURE) |
| (ADRENAL GLANDS) | (CATECHOLAMINES)        |                  |



CZECH REPUBLIC

CHABRAT, D., and KASEK, L., 1st Central Labor Dispensary, 1st District, 1st District of Bulovka Hospital (Nemocnice na Bulovce) Prague, Czech Republic, 1960.

"New Method for Calculation of Results to the Test of the Test"

Prague, Ceskoslovenska Lekarska, Vol. 102, No. 1, 1960, p. 102.

Abstract [Author's Title in English: A New Method for Calculation of the Results Obtained During Estimation of the Test of the Test in Complex Activity in Plasma (Quin's test). The new method is based on the finding that the calibration curve has a hyperbolic shape. The results can then be calculated only with the aid of the calibration curve with 100-percent and 15-percent plasma. That this method is justified is proved on a number of calibration curves. The method is correct also in practice. To facilitate the calculation the author has elaborated a slide rule provided with special scales. By means of this slide rule even less experienced workers can make the calculation without the risk of errors. This slide rule can be produced on a large scale. The new method eliminates the lengthy calibration before estimation of the daily series of specimens and the whole procedure thus becomes more accurate, simpler and easier. (No reference).]

CZECHOSLOVAKIA

K. MACER and I. JANKO, Centre Pharmacology Laboratory of the  
Czechoslovak Academy of Sciences (Department for Antitoxics, Institute  
of Pharmacology, Czechoslovak Academy of Sciences) Chief (Vedoucí) Professor Dr. A. JANKO,  
Prague, Prague.

Effect of Some Substances on Intoxication with *Shigella* toxin. Czech  
Prague, *Časopis lékařů českých*, 1961, No 1, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Abstract [English summary modified]: A. that serotonin 0.2 mg/kg, 1.0 mg/kg or reserpine (1 mg/kg, s.c. to mice kept at 4°C rectified 10g 1 hour before inoculation) 1 to 48 hours before lethal dose (4 x 10<sup>7</sup> cc) *Shigella* toxin significantly prolonged life; reserpine without cold had less but still significant effect; dibenzamine, chlorazepate, pentamethonium, hydrocortisone, norepinephrine and cold alone had no significant effects; epinephrine, isonitazid and pyrogallol significantly shortened survival time. 92 graphs, 15 references, 12 English-language, 1 unpublished data by authors.

1/1

MASEK, K., MUDr., CSc.

Training physicians at training areas. Cesk. zdrav. 12 no.3:  
103-106 Mr'64

1. Vedoucí katedry klinické biochemie UDL, Praha.

★

L 13335-66

ACC NR: AP6006028

SOURCE CODE: CZ/0053/65/014/004/0287/0287

AUTHOR: Bachur, N. R.; Masek, K.; Melmon, K.; Udenfriend, S. 36  
B

ORG: Laboratory of Clinical Biochemistry, National Institute of Health, Bethesda, USA; Pharmacology Institute CSAV, Prague (Farmakologicky ustav CSAV)

TITLE: Palmitoyl ethanolamide in mammalian tissues [This paper was presented during the Twelfth Pharmacologic Days, Smolenice, 27 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 287

TOPIC TAGS: experiment animal, rat, radioisotope, tracer study, brain, liver, biosynthesis, gas chromatography, amine, biochemistry

ABSTRACT: Palmitoyl ethanolamide, an endogenous substance known to have anti-inflammatory and antianaphylactic properties, was detected by gas chromatography in the brain (30 g/Gm of tissue), liver (7 g/Gm), skeletal muscles (1 g) of rats and guinea pigs;  $C^{14}$  palmitic acid,  $C^{14}$  ethanolamine study confirmed the in vitro synthesis as well as previously unreported pharmacologic roles. [JPRS]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 007

jw

Card 1/1

L 21475-66 ETC(f)/EPF(n)-2/ENG(n) IJP(c) AT

ACC NR: AP6000657

SOURCE CODE: CZ/0055/65/015/009/0644/0661

AUTHOR: Pekarek, L.; Masek, K.

ORG: Institute of Physics, Czechoslovak Academy of Sciences, Prague

TITLE: Macroscopic space charge field in distributed quasineutral plasma 60  
B

SOURCE: Czechoslovatskiy fizicheskiy zhurnal, v. 15, no. 9, 1965, 644-661

TOPIC TAGS: electron plasma, plasma magnetic field, homogeneous magnetic field, magnetic field intensity, ion density, perturbation, Gaussian distribution

ABSTRACT: A method of calculating the electric field intensity in a quasi-neutral plasma homogeneity is found for the case when the problem can have a one-dimensional formulation. The general formula

$$E = E_0 - 4\pi q_0 \sum_{j=1}^J C_{j+1} H_j \frac{\partial^{j-1} n_+}{\partial x^{j-1}} - Q,$$

where

$$C_{j+1} = \frac{e_2^{j+1} - (-1)^{j+1} e_1^{j+1}}{e_2 + e_1}.$$

including Ohm's law, ambipolar approximation, and higher approximations of the space-charge electric field intensity expressed in terms of deviation  $n_+$  in ion

Card 1/2

L 21475-66

ACC NR: AP6000657

density and its derivatives, is found, and the values of the errors of these approximations are derived. Numerical calculations for the sinusoidal form and for the Gaussian form of the perturbation in the ion concentration were carried out. Orig. art. has: 5 figures, 33 formulas, and 5 tables. [Based on authors' abstract.] [NT]

SUB CODE: 20/ SUBM DATE: 21Nov64/ ORIG REF: 002/ OTH REF: 004/

Card 2/2 dda



CZ/0053/66/015/005/0404/0404

CZECHOSLOVAKIA

AUTHOR: Masek, K.

ORG: Institute of Pharmacology CSAV, Prague (Farmakologicky ustav CSAV)

TITLE: The effect of staphylococcal toxin on thrombocytes

SOURCE: Ceskoslovenska fyziologie, v. 15, no. 5, 1966, 404

TOPIC TAGS: toxicology, serotonin, biochemistry, blood

ABSTRACT: The effect of the staphylococcal toxin on thrombocytes was investigated with special attention given to the release of serotonin, the influence of the EDTA, and the difference in species. The experiments showed that serotonin separates in direct relation to the time and toxin dose. The dependence on the animal species was also established. However, when applying the EDTA, the toxin effect rather resembled that of type-A phospholipid. Consequently, even if the existence of enzymes similar in their nature to be phospholipids A and C is taken into consideration, the mechanism of the toxin effect on thrombocytes needs to be clarified by several more direct tests. [W. A. S.] [KP]

1/1



204-50  
ACC NR: AP6032381

L 35114-07 JK  
SOURCE CODE: CZ/0053/66/015/005/0404/0404

AUTHOR: Masek, K. 14/3

ORG: Institute of Pharmacology CSAV, Prague (Farmakologicky ustav CSAV)

TITLE: The effect of staphylococcal toxin on thrombocytes

SOURCE: Ceskoslovenska fyziologie, v. 15, no. 5, 1966, 404

TOPIC TAGS: toxicology, serotonin, biochemistry, blood

ABSTRACT: The effect of the staphylococcal toxin on thrombocytes was investigated with special attention given to the release of serotonin, the influence of the EDTA, and the difference in species. The experiments showed that serotonin separates in direct relation to the time and toxin dose. The dependence on the animal species was also established. However, when applying the EDTA, the toxin effect rather resembled that of type-A phospholipid. Consequently, even if the existence of enzymes similar in their nature to be phospholipids A and C is taken into consideration, the mechanism of the toxin effect on thrombocytes needs to be clarified by several more direct tests. [W.A. 50] [KP]

SUB CODE: 06/ SUBM DATE: none/ OTH REF: 005/

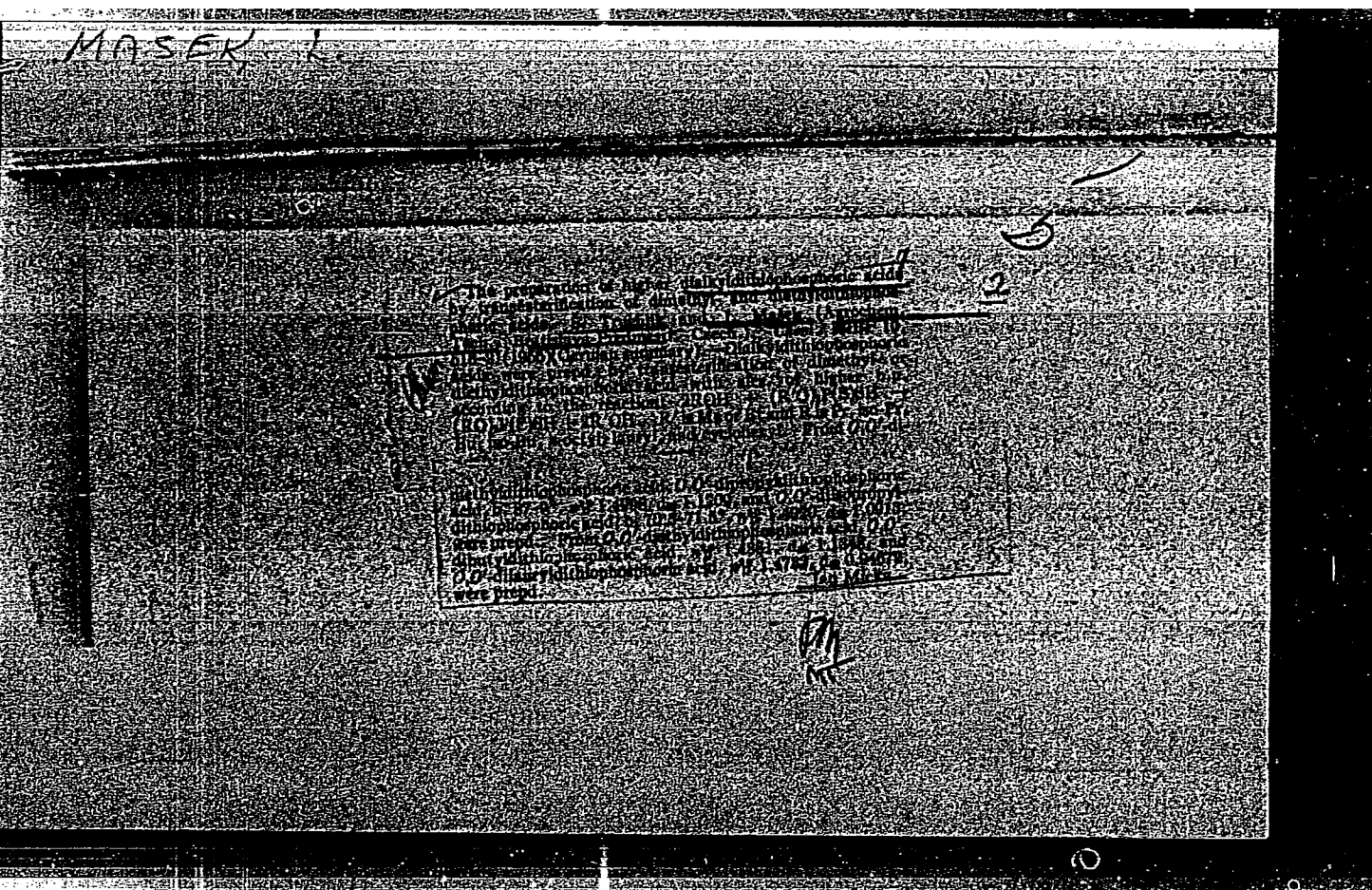
Card 1/1 vmb

MASEK, L. ; SYROVATKA, J.

The Presto crane adapted for block building. p. 404.

Vol. 3, no. 12, Dec. 1954 (Mechanisation)  
INŽENÝRSKÉ STAVBY  
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, No. 4 April 1956



COUNTRY : Czechoslovakia H-25  
 CATEGORY : Chemical Technology - Fats and Oils. Waxes.  
 Soap and Detergents. Flotation Agents  
 ASS. J. SR. : RZhKhim., No. 24 1959, No. 88109  
 AUTHOR : Masek, L.  
 INST. :  
 TITLE : Production of Microcrystalline Waxes in  
 Czechoslovakia  
 ORIG. PUB. : 1958, 4, No 5, 137-139  
 ABSTRACT : Preparation of microcrystalline waxes (MW)  
 in the form of bars from petrolatum waste. MW having  
 impregnating and adhesive properties, their microphotographs  
 and physical indices. Feasibility of producing MW having  
 the required characteristics (low permeability to water  
 vapor, aromatic substances and gases, capacity of bonding  
 by action of heat, mechanical strength, luster, etc.).  
 Methods of using MW in packaging of bakery and confectionary  
 products, as interlayer in paper bags, impregnation of  
 paper in manufacture of paper cups, bonding aluminum foil  
 to parchment paper, cellophane, polyethylene, polyvinyl-  
 chloride. Advantages of MW over paraffin in admixture with  
 CARD: polyethylene and polyisobutylene. Preceding communi-  
 cation see RZhKhim, 1959, No 17, 62686.  
 G. Frid

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MASEK, M

Z/012/60/000/02/017/019  
E073/E435

AUTHOR: None given

TITLE: First Conference on Research in the Field of  
Electrical Ceramics

PERIODICAL: Silikáty, 1960, Nr 2, pp 212-213

ABSTRACT: This conference was convened by the Výzkumný ústav elektrotechnické keramiky (Research Institute for Electrical Ceramics) and was held in Hradec Kralové on September 10-12, 1959. There were about 100 participants including Professor F. Obenaus, Dresden, East Germany. Twenty-two papers were read. J. Mráček spoke on "Metallizing ceramics with silver and on brazing silver layers". J. Schwarzbach reported on "Investigations of the dielectric properties of the system BaO-TiO<sub>2</sub>" and jointly with R. Koller he reported on "The study of the crystallographic phases of the system BaO-TiO<sub>2</sub>". M. Masek reported on "Some results gained from loading tests of ceramic condensers". A. Koller explained "The relations between exoemission and degradation of titanite dielectrics". J. Chmelíček reported on "The variance of the results and on the results obtained in voltage tests of insulators under rain". F. Obenaus reported on

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Z/012/60/000/02/017/019  
E073/E435

First Conference on Research in the Field of Electrical Ceramics

"Breakdowns along the surface of the insulator, the surface of the path and the preliminary discharge". A paper of P.P. Budnikov was read on "Quick hardening cement putty for porcelain insulators". J. Kraval dealt with problems of recording surge waves by a capacitive voltage divider located above the surge generator. J. Rádl and V. Havlíček dealt with the technique of electric testing of insulators in an artificial fog. A. Mráčkova dealt with a new type of semiconducting glaze. V. Koukal dealt with the radio interference of Czech produced insulators. S. Kudrna dealt with an experiment on the physical interpretation of the influence of crystals of grinding materials on the mechanical strength of porcelain substances. Z. Rádl dealt with increased electromechanical strength of cap insulators. Z. Pospíšil and A. Kubov dealt with physical relations governing the technology of wet pressing of ceramic substances. H.T. Arend, B. Březina, P. Coufalová and V. Janovec dealt with titanite single crystals and certain possibilities of applying these for

Card 2/3

Z/012/60/000/02/017/019  
E073/E435

First Conference on Research in the Field of Electrical Ceramics  
research in HF dielectrics. O. Hovorka dealt with  
sintered corundum for vacuum applications. J. Mazanec  
dealt with the firing range of steatite substances.  
Zd. Pospisil dealt with the influence of ceramic insulating  
tubes on the ageing of platinum thermocouples. ✓  
V. Hermanský and J. Mráček dealt with a new method of  
preparing metallographic preparations of low melting  
point alloys and solders and with recent developments on  
metallizing ceramics with common metals. The papers and  
a report on the discussions will be published in a  
symposium.

Card 3/3

1256-52

ENTR/HDS AFFTC/ASD

8/27/62/000/004/013/045

AUTHOR: Masak, Milos and Shopak, Jaroslav

TITLE: A time-delay relay based on a magnetic amplifier

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 4, 1963, 17, abstract 4A103 (Czechosl. pat., Kl. 21g, 4/05, no. 101724, 15.11.61)

TEXT: The text describes a patent for a time-delay relay consisting of a magnetic amplifier with internal and external feedbacks, and the usual neutral relay. The control winding is joined in series with the circuit and shunted by a variable resistance. The control contact is joined in parallel with the circuit. The second variable resistance is joined with the path of the displacement winding. Both variable resistances, within broad limits, alter the delay of the relay. One of the contacts of the relay may be joined to serve as a control contact; this guarantees the generation of pulses with assigned interval. There is one illustration. M. Ts.

(Abstractor's note: Complete translation)

Card 1/1



MASEK, M., Ing.

Reconstructed production line of the Paporzje brick factory, Stavovo  
no. 11:415-416. II 1964.

1. Development and automation center of the Paporzje brick factory,  
Bratislava.

MASEK, Miroslav, Dr.

Ehlers-Danlos sindrom. Lijec.vjes. 77 no.14-17 Jan-Feb '55.

1. Iz Dječjeg dispanzera Donjigrad u Zagrebu.  
(EHLERS-DANLOS SYNDROME, case report (Ser))



MASEK, O.

Sympatholytics; new neurovegetative drugs. Lek. listy 6  
no.14:432-436 15 July 1951. (CML 20:11)

1. Of the Internal Department of the State Regional Hospital  
in Trnava (Head -- Jan Konrad, M.D.).

MASEK, O.

Treatment of rheumatoid arthritis with steroid hormones. Prakt.  
lek., Praha 31 no.17:383-385 5 Sep 1951. (CML 21:1)

1. Of the Internal Department (Head -- Jan Konrad, M.D.) of the  
State District Hospital, Turnov.

MASEK, Otokar, MUDr (Praha XVI, Habrezi legii 19)

Ganglion blocking method in the treatment of herpes zoster;  
preliminary communication. Lek. listy, Brno 9 no.15-16:368-369  
1 Aug. 54.

1. Z Místního obvodního sdravotnického střediska v Josefove Dole  
(OUNZ Jablonec n.H.) Vedoucí: MUDr O.Masek.  
(MUSCLE RELAXANTS, therapeutic use,  
methonium in herpes zoster)  
(HERPES ZOSTER, therapy,  
methonium)

MASEK, Otokar, MUDr (Praha VKI, Nebrezi legii 19)

Medicinal therapy of hypertension. II. Preliminary communication  
on antihypertensive properties of hydrazinophthalasine drugs.  
Lek. listy, Brno 9 no.20:475-476 15 Oct 54.

1. Z místního obvodního zdravotnického střediska v Josefově Dole  
(OÚZ Jablonec n.H.) vedoucí: MUDr Otokar Masek.

(HYPERTENSION, therapy,  
hydralazine)

(SYMPATHOLYTICS, therapeutic use,  
hydralazine in hypertension)

**MASEK, Otokar, MUDr** (Nabrezi legii 19, Praha XVI)

Recent studies on the effect of drugs on blood pressure. Lek.  
listy, Brno 9 no.21:491-493 1 Nov 54.

1. Z mistniho obvodniho zdravotniho strediska v Josefove Dole (OUNZ  
Jablonec n. B.) Vedouci: MUDr Otokar Masek.  
(BLOOD PRESSURE, effect of drugs on.)  
(VASCOMOTOR DRUGS, effects  
on blood pressure)



MASEK Otakar MUDr

Drug therapy of arterial hypertension;3.  
Vnitř. lek., Brno 1 no.2:141-145 Feb 55.

1. Z místního obvodního zdravotnického střediska v Josefově Dole  
(OUNI Jablonec n. H.) vedoucí MUDr Otakar Masek  
Praha XVI., Habrezi legii 19

(HYPERTENSION, therapy  
reserpine)  
(RAUWOLFIA ALKALOIDS, ther. use  
reserpine in hypertension)

EAST GERMANY/Pharmacology and Toxicology. Analgesics

V-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 47159

Author : Polak F., Misek O., Meneik Zd.

Inst : -

Title : The Analgesic Action of Magnesium Sulfate in the Painful  
Non-Inflammatory Diseases of the Motor Apparatus

Orig Pub : Z. ges. innere Med., 1957, 12, No 20, 252-253

Abstract : No abstract

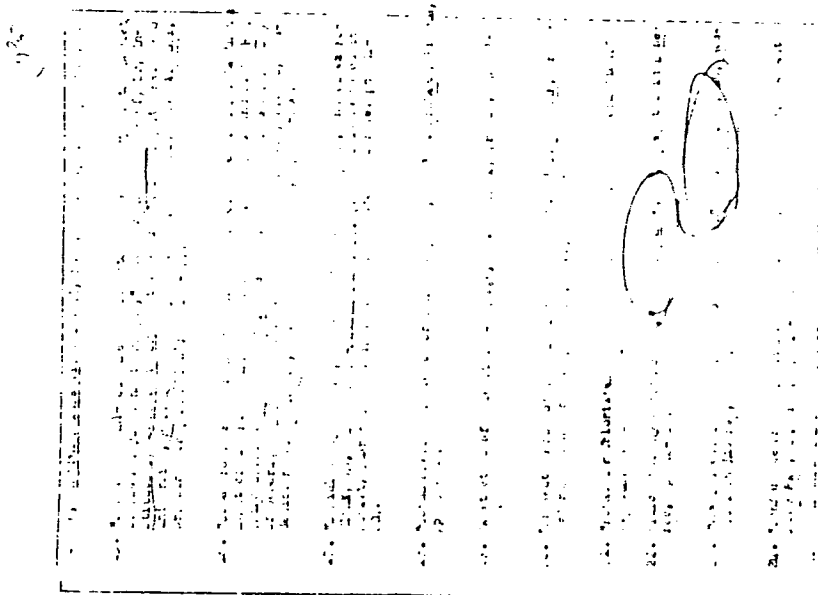
Card : 1/1

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APPROVED FOR RELEASE: 07/12/2001

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TOP SECRET

TOP SECRET, C T A K A R

RECEIVED

HASHI, A., MD.

Article, Vnitro Leningradskiy, 1964, 1964, 1964-1964

"Titled in the 'Transfer of the ...'"

MASEK, Otakar, MUDr. (Janačkovo nábř. 19, Praha 5 - Smíchov).

New knowledge about hypertensive disease. Vnitřní lek. 11 no. 6:  
604-605 Je'65.

Cheyne-Stokes periodic respiration. Ibid.: 605-606

New knowledge about glucose metabolism disorders and diabetes.  
Ibid.: 606-609

The action of human growth hormone in man. Ibid.: 609-610

Thyroid diseases are often caused by immunologic processes.  
Ibid.: 611.

10/10/10

RECEIVED 10/10/10 10:10 AM  
10/10/10 10:10 AM

MASH, A. Z. I.  
(# 2592)

path. anat. Nikolayev Niv. V. Prace. Pat. list. in the field of medicine in the  
the choroid plexus Cas. Let. Res. Inst. 1937, 9/1 (11-3-111) Illus. 2  
four cases were observed. In the 1st case tumor was located in the 1st ventricle  
and occluded the foramen of Monro. In the 2nd case the tumor was in the cere-  
bellar angle and in the remaining 2 cases in the 3rd ventricle. Histology  
of papilloma and epithelioma of the choroid plexus is described. The value of  
the differential diagnosis from myxoma, glioma, and adenoma is discussed.

Author - Pat. list. in the field of medicine, 9

See: Endocrine Endocr. 1937, 1, 7 3-4, 111 July 1, 2



VYBORNÝ, Josef, MUDr; JENÍČEK, Otakar, MUDr; JIRÁSEK, Lubor, MUDr; MASEK,  
Rudolf, MUDr

Spontanni panniculitis. Cas.lek.cesk. 91 no.8:227-234 22 Feb 52.

1. Z chirurgického oddelení státní fakultní nemocnice, pobočky v  
Praze III; přednosta: MUDr Zdeněk Váhala. Z II. dermatovenerolo-  
gické kliniky university Karlovy; přednosta: prof. dr. Karel  
Hubachmann. Z I. patologicko-anatomického ústavu university  
Karlovy; přednosta: prof. dr. Herman Šíkl.

(PANNICULITIS,

spontaneous, clin. manifest. & ther.)

MASEK, Rudolf

Nature of the pigment of pigmented papilloma of the choroid plexus.  
Cas.lek.cesk. 91 no.18:541-543 2 May 52.

1. Z I. patologicko-anatomického ustavu Karlovy university v  
Praze; prednosta: prof. dr. H.Sikl.

(PAPILLOMA,

pigmented papilloma of choroid plexus)

(~~CEREBRAL VENTRICLES~~, neoplasms,

pigmented papilloma of choroid plexus)

MASEK R., PAUDERKA V., VACEK R., VALACH J., BEDÁR E., LIŠKA K..

I. Pátn. - Anat. Ust. KU, Praha. \*Správné, prehlédnuté a mylné diagnózy, jejich častost a porovnání s pitěvním poznáním. Correct, missed, and wrong diagnoses, their frequency and comparison with autopsy diagnoses. CAS. LEX. CES 1954, 93/14 (245-25) Tables 4

In 1,000 autopsies from several clinics the clinical diagnosis had been correct in 31.8%, almost correct in 52%, inadequate in 12.6% and wrong in 3.6% and wrong in 3.6%. Border limits of inadequate and wrong diagnoses together were 7 and 31%. It is felt that if the upper limit is 10% it may be considered as an excellent result; on the other hand, 20% lower limit means poor diagnostic quality. Šíkl - Prague

SO: Excerpta Medica  
Section V  
Vol 7 No. 10

MASNEK, Rudolf, MUDr (Praha XIV, Budejovicka 800)

Primary hyperplastic intestinal lipomatosis. Cesk.onkol. 2 no.2-3:  
268-272 1955.

1. I, pathologicko-anatomicky ustav Karlovy university v Praze.  
(INTESTINES, LARGE, diseases,  
hyperplastic lipomatosis causing obstruct.)  
(INTESTINAL OBSTRUCTION, etiology and pathogenesis,  
hyperplastic lipomatosis of rectum & sigmoid)

MAŠEK R. EXCERPTA MEDICA Sec 5 Vol. 10/9 Pathology Sept 57

2638. KRATKOVÁ E. and MAŠEK R. Kinderabt. und Prosekt., Thomayer-Krankenh. Praha-Krč. \*Multinoduläres Leberkarzinom auf zirrhotischer Grundlage nach epidemischer Hepatitis bei einem 8-jährigen Knaben Multinodular carcinoma in a cirrhotic liver after epidemic hepatitis in an 8-year-old boy ČSL ONKOL. 1956, 3/2 (128-136) Illus. 9

A description is given of a case of mixed hepato-cholangiocellular carcinoma superimposed on hepatic cirrhosis in a boy aged 8 yr. occurring after recurrent epidemic hepatitis. The authors consider the various morphogenetic stages of the development of the initial hepatodystrophic process to liver cirrhosis and of the degeneration of the latter to carcinoma. This case is the first in a child to be described in the international literature.

Call - Naples (V, 16)

USSR/ General Problems of Pathology. Comparative Oncology. Tumors in Humans U-7

Abstr Jour : Ref Zhur - Biol., No 13, 1958, No 61234

Author : Belan A., Hajnal J., Adler F., Masek R.

Inst : "

Title : Primary Cancer of the Lower Horizontal Part of the Duodenum

Orig Pub : Rozhl. chirurg., 1957, No 12, 830-835

Abstract : Description of a case of an adenocarcinoma of the lower horizontal part of the duodenum, in a patient 68 years of age. Resection was made of the duodenum and the greater part of the affected pancreas. After the operation, the patient felt well for 9 months, and died from bronchopneumonia. Postmortem did not reveal any metastasis of the adenocarcinoma. The clinical picture and differentiated diagnosis were discussed. The difficulty of a diagnosis of the above mentioned condition is emphasized.

Card : 1/1

MASEK, Rudolf

Disseminated subacute lupus erythematosus with predominance of  
vascular pulmonary changes. Cas.lek.cesk. 98 no.37:1165-1171  
11 S '59.

1. Patologickoanatomicke oddeleni Thomayerovy nemocnice v Praze-  
Krci, prednosta MUDr. Rudolf Masek.

(LUPUS ERYTHEMATOSUS pathol.)

(LUNGS blood supply)

MASHEK, R. [Masek, R.] (Praga-Krch)

Systemic chondromalacia. Arkh. pat. 26 no.12:58-62 '64.  
(MIRA 18:5)

1. Patologoanatomicheskoye otdeleniye (zav. - kand.med.nauk  
R.Mashek) bol'nitsy imeni Tomayera v Prage-Krch.



MASEK, S.

Control of infectious diseases in day nurseries. *Lijec. vjes.* 27  
no. 2:57-62 P 150. (CML 19:2)

MASEK, Slavko,  
MASEK, Slavko, dr.

Tuberculous skin infection in child vaccinated previously with  
BCG vaccine. Liječ. vjes. 76 no.3-4:103-106 Mar-Apr 54.

1. Is Bolnice sa tuberkulozu, Srebrnjak, Zagreb.  
(TUBERCULOSIS, CUTANEOUS, in inf. & child  
after BCG vacc.)  
(BCG VACCINATION, compl.  
tuberc. verrucosa cutis in child)

NASEX, TIRI

The decomposition of nitrous acid under the conditions of  
polarographic analysis (Polarograph: Jistav  
SAV, Prague). Chem. (1975) 1: 71-5 (1967). The removal  
of  $\text{HNO}_2$  from the polarographic cell by an indifferent  
gas stream was studied. It was found that the rate of  
decomposition of  $\text{HNO}_2$  is affected by the presence of a  
catalyst which makes it possible to state from the height of the  
H-wave the extent to which both of the decomposition reactions  
participate in the total removal of  $\text{HNO}_2$  was deduced from the  
stoichiometry of the reaction. Conditions for analytical use  
of the I-wave were given. P. Sirovsky.

Masek, V.

Masek, V. Defects resulting from inadequate work in building and assembling structural elements. p. 444.

Vol. 4, no. 12, Dec. 1956

POZEMNI STAVBY

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, No. 5, May 1957

Masek, V.

Masek, V. Experiments made in the construction of a plant for iron  
manufacture by the direct process in Ejpovice. p. 64.

Vol. 5, no. 2, Feb. 1957.

POZEMNI STAVBY  
TECHNOLOGY  
Czechoslovakia

So. East European Accessions, Vol. 6, No. 5, May 1957

MASEK, V., inz., ScC.

Wet coke quenching. Paliva 43 no.6:180-182 Je '63.

1. Vyzkumny a skusebni ustav, Nova hut Klementa Gottwalda,  
Ostrava - Kuncice.

MASEK, V.

"Galvanometric Indication of Chlorides in Crude Oil," p. 90.  
(Paliya, Vol. 33, No. 4, Apr. 1953, Praha.)

SO: Monthly List of East European Accessions, Vol. 2, No. 9, Library of Congress, September 1953, Uncl.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their H.  
Applications - Corrosion. Corrosion Protection.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 36591

Author : Palla Vilian, Prokes Josef, Masek Vaclav

Inst : -

Title : Corrosion Caused by Bleaching Clay.

Orig Pub : Elektrotechn. Obzor, 1957, 46, No 5, 245-247

Abstract : It was established that imported bentonite, used in Czechoslovakia, contains sulfur, which upon activation becomes free. This causes intense corrosion in the equipment used in petrochemical plants, and, during pulverization it contaminates some products, which upon contact with metals (especially with Cu) cause intense corrosion. The effect of S contamination of transformer oil on latter's stability and electrical insulating properties has been studied. A process permitting elimination of sulfur from bleaching clay without changing its properties has been worked out.

Card 1/1

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CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. (Part 1) Corrosion. Protection From Corrosion. H

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, No. 35244

Author : Masek, Vaclav

Inst : Not given

Title : The Corrosion of Bearings Caused by Lubricants

Orig Pub : Automobil (CSR), 1958, 2, No 10, 350-351

Abstract : Laboratory methods of determination of the aggressive properties of lubricants are described. The method of Purkevich (the evaluation of aggressive properties of lubricating oils is calculated by the loss of weight of the sample in g/m<sup>2</sup>/50 hours) is proposed as a standard method. The review of aggressive properties of lubricants used in Czechoslovakia and their evaluation, according to the method of Purkevich, is given. Bibl. 12 titles. --  
From author's resume

Card 1/1

COUNTRY :  
CATEGORY :  
ASS. JOUR. : AZKham, No. 1987, No. 126  
AUTHOR :  
CHAP. :  
TITLE :  
CITE. REF. :  
ABSTRACT :

DATA:

COUNTRY: Czechoslovakia

CATEGORY :

ABS. JOUR. : RZKHim., No. 22 1990, No.

ANSWER : MUSEK V.

2000

[illegible][illegible]

ABSTRACT : An investigation of the effect of the concentration of the reactants on the rate of the reaction between hydrogen peroxide and potassium iodide in the presence of a catalyst was carried out. The results show that the rate of the reaction increases with the concentration of the reactants. The order of the reaction with respect to hydrogen peroxide was found to be 1.5 and with respect to potassium iodide was found to be 1.0. The activation energy of the reaction was found to be 50.0 kJ/mol.

044-1

MASEK, J.

TECHNOLOGY

PERIODICAL: AVIATION, vol. 3, no. 2, Feb. 1969

Masek, J. Stability of oils in the hot parts of the motor. p. 52.  
-IK-. New experimental types of Soviet engines. p. 51.

Monthly List of East European Accessions (MEA), L., vol. 8, no. 1,  
May 1969, Unclass.

MASEK, V.

Operational and laboratory stability of our transformer oils. p. 512.

ENERGETIKA. Praha, Czechoslovakia. Vol. 9, no. 10, Oct. 1959.

Monthly list of East European Accessions (EEAI) LC. Vol. 9, no. 2, Feb. 1960  
Uncl.

Z/032/60/010/07/016/ 030  
E073/E335

AUTHOR: Mašek, V., Engineer

TITLE: Anticorrosive Properties of Czech-produced Lubricants<sup>11</sup>

PERIODICAL: Strojírenství, 1960, Vol 10, Nr 7, pp 534 - 538

2.6 ABSTRACT: The author reviews briefly the factors determining anti-corrosive properties of oils and various testing methods for evaluating them. The results of large-scale testing by standard methods of oils available in Czechoslovakia from the point of view of their anticorrosive properties are tabulated in Tables 1-5. There are 3 figures, 5 tables and 26 references, of which 9 are Soviet, 10 English, 1 German, 1 Hungarian and 5 Czech. ✓

ASSOCIATION: Ostravská rafinerie minerálních olejů  
(Ostrava Oil Refinery)

Card 1/1

MASEK, Vaclav, inz.

Electric strength of insulating oils. Energetika Cz 11 no.8:398-400  
Ag '61.

MASEK, Vaclav

3,4-benzopyrene in our crude petroleum fuel oil. Pracovní lek. 13 no.7:  
363-366 S '61.

1. Vyskumny a skusebni ustav NHKG n.p., Ostrava-Kuncice.

(BENZOPYRENES) (PETROLEUM)



MOCH, V.

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Bratislava, Pharmaceutický Obzor, Vol 30, No 8, 1981; p. 114-118

Data: "White and Yellow Petrolatum"

MASEK, V., inz.

Suitable oils for increasing the output of chemical products  
in coking. Paliva 41 no.3:76-81 Mr '61.

1. Vyzkumny a zkusební ústav, Nova hut Klementa  
Gottwalda, n.p., Ostrava - Kuncice.

~~MASEK~~, V., inz.

The 3,4 benzopyrene and fuel oil addition to coal in coking. Paliva  
41 no.11:333-338 N '61.

1. Vyzkumny a zkusebni ustav, Nova hut Klementa Gottwalda, Ostrava-  
Kuncice.

MASEK, V.

C.S.R

Research and Experimental Institute of the New Metallurgical Plant of  
Klement Gottwald, a national enterprise (Vyzkumny a zkusebni ustav  
Hove Hute K.G., n.p.) Ostrava-Kuncice

Prague, Ceskoslovenska hyiena, No 10, 1962, pp 610-614

3,4-Benzpyrene and Exhalations from Coking Plants"

MASEK, Vaclav, inz.

Transportation of heavy fuel oils in tanks during summer.  
Energetika Cz 12 no.5:258-262 My '62.

MASEK, Václav, inz.

Addition of oil into coking coal in Hungary. Hut listy 17 no.9:655-658 ~~12~~.

1. Vyskumny a skusebni ustav, Nova hut Klementa Gottwalda, Ostrava-Kuncice.

MASEK, V., inz.

Transportation of heavy oils in tanks for Ostrava-Karvina  
coke plants. Paliva 42 no.8:228-233 Ag '62.

1. Vyzkumny a zkusebni ustav, Nova hut Klementa Gottwalda,  
Ostrava-Kuncice.

MASEK, V., ins.

The 3,4-benzopyrene and the operational coking of the oiled coal.  
Paliva 42 no.11:339-340 N '62.

1. Vyskumny a skusebni ustav, Nova hut Klementa Gottwalda, Ostrava -  
Kuncice.



MASEK, Vaclav (Ostrava)

Loss factor and dielectric constant in the refining process  
control. Ropa a uhlie 5 no.8:234-238 Ag'63

MASEK, Václav

3,4 benzopyrene in the coke industry. Koks 8 no.1:24-29 Ja-F '63.

1. Zakład Badańczo-Doswiadczalny Nowej Huty im. K. Gottwalda, Ostrava-Kuncice, Czechosłowacja.

MASEK, Vaclav

In the fuel industry of the Czechoslovak Socialist Republic  
3,4 benzopyrene. Rocan panstw zakl hig 14 no.5:461-465 '63.

MASEK, Vaclav, inz., CSc. (Ostrava)

Second stage of the research on using sulfite waste liquor  
in coke quenching. Papir a celuloza 18 no. 12: 243-245.  
D '63.

MASEK, Vaclav, inz., CSc.

Disposal of waste sulfite liquors from coke quenching. Vodni  
hosp 13 no.8:288-290 '63.

1. Vyskumny a zkusebni ustav, Nova hut Klementa Gottwalda,  
Ostrava - Kuncice.

MASEK, Vaclav, ins. (Ostrava)

Use of sulfite waste liquor slops for coke quenching. Papir a  
celulosa 18 no.1:4-6 Ja '63.

MASEK, Vaclav, ins. (Czechoslovakia)

Coefficient of the rate of dielectric losses and the dielectric losses constant during quality control of oil distillates won from pipe-tower distillation. Nafta Pol 19 no.4:94-99 Ap '63.

MASEK, V., inz., CSc.

Extraction of 3,4-benzopyrene in the pitch coal coking plant  
in Lasy. Paliva 43 no.11:339-342 N°63.

1. Vyskumny a zkusebni ustav, Nova hut Klementa Gottwalda,  
Ostrav - Kuncice.



MASEK, V.; ČAKŘIOVA, E.

Two months coke slacking by diluted sulphite refuses of  
Trojice coke-kilns. Česk. hyg. 9 no.3:181-187 Ap'64.

1. Vyzkumny a zkusebni ustav NHKG, Ostrava-Kuncice;  
Krajska hygienicko-epidemiologicka stanice, Ostrava.

MASEK, V., inz. CSc.

Effect of sulfite waste liquor on concrete and steel.  
Vodni hosp 14 no. 3:97-98 '64.

1. Introduction.

Research and the Special Tactics of the Special Forces (Shantel and the Special Forces), and the Special Forces.

Research, Special Forces, and the Special Forces, and the Special Forces.

"The Special Forces of the Special Forces, and the Special Forces, and the Special Forces." "The Special Forces of the Special Forces, and the Special Forces, and the Special Forces."

MASEK, Vaclav, inz. CSc.

Note on coking properties of pitch. Hut listy 18 no. 2:  
84-88 P '64.

1. Vyzkumny a zkusebni ustav, Nova hut Klementa Gottwalda,  
Ostrava-Kuncice.

MASEK, Václav

Pitch hardening and coking with regard to the content and composition of insoluble parts. Ropa a uhlie 6 no.10:304-308 0 '64.

1. Research and Testing Institute of the Neva hut Klementa Gottvalda National Enterprise, Ostrava-Kuncice.

MASEK, V.

The concentration of 3,4-benzpyrene in the atmosphere of the pitch  
coke-ovens of Lazy in winter 1963. Cesk. hyg. 9 no.9:565-569 1964.

1. Vyzkumny a zkusební ústav Nového Elementa Gd'woda, Ostrava-  
Kuncice.

MARCH 1968

Handing out of the ... of 1,4-benzodioxane ...

1. Vyzkumnyy ...

MASEK, VACLAV, inz. CSc.

The 3,4-benzopyrene in cigarette smoke was found to be a potent carcinogen in the rat (IARC, 1985).

1. Researcher and Teacher in a 1970s Classroom: The Development of a  
Learning Notebook. *Interpretive*, 1990, 10, 1-14.



CZECH CZECHOSLOVAKIA

MASEK, V.

Research and Experimental Institute VHEG (Vyzkumny a  
zkusebni ustav VHEG), Ostrava-Muncice

Prague, Jeskoslovenska Hygiena, No 2, 1965, pp. 96-96

"The 3,4-Benzpyrene in the Dust and Atmosphere of Luby  
Coke Kilns and Their Surroundings."

MASEK, Vaclav

Scrubbing oils from coal tar or from petroleum? Ropa a uhle  
7 no.3:77-80 Mr '65.

1. Research and Testing Institute of the Nova hut Klementa  
Gottwalda, Ostrava-Kuncice.

MASEK, V.

3,4 Benzopyrene in the dust and atmosphere of the coke-plant  
of Lazy and its vicinity. Cesk. hyg. 10 no.2:86-96 Nr 165

1. Vyzkumny i zkusební ústav MHKO, Ostrava-Karvice.



CZECHOSLOVAKIA

WDC 5a.7.481:668.7

MASEK, Václav; Research and Testing Institute, Nova hut Klement Gottwald Iron Works (Vyzkumny a Zkušební Ústav NHKG), Ostrava - Kuncice.

"Contents of 3,4-Benzopyrene in Black Coal Tars."

Prague, Pracovní Lékarství, Vol 18, No 2, March 66, pp 65 - 68

Abstract [Author's English summary modified]: Laboratory coking was conducted on various samples of black coal. No 3,4-benzopyrene was found in the coal, but the content in the tar varied according to coking temperature and some parameters of the coking furnace. The coal also had an influence on the final amount of benzopyrene in the tar. Analytical methods also can influence the results; when highly acetylated cellulose and absorption spectrometry are used, lower results are obtained than when partly acetylated paper and fluorometry are used. 3 figures, 4 Tables, 7 Western, 6 Czech, 1 Russian reference. (Manuscript received 8 Sep 64).

1/1

L 46902-66

ACC NR: AI6034282

SOURCE CODE: CZ/0034/66/000/005/0344/0347

AUTHOR: Masek, Vaclav (Engineer; Candidate of sciences)

ORG: Research and Testing Institute, Klement Gottwald Nova Hut Iron Works,  
Ostrava - Kuncice (Vyzkumny a Zkusebni Ustav NHKG)

TITLE: Sedimentation dust on the surface of coking batteries and their environment

SOURCE: Hutnicke listy, v. 21, no. 5, 1966, 344-347

TOPIC TAGS: industrial waste, coke

ABSTRACT: The dust deposited on the ground at the coking batteries in the Ostrava and Karvinna area contains, at an average, 50% of particles smaller than 0.2 mm. The particles originating from coking operations have sharp edges; those formed in tar distillation are spherical. All of the dust contains a high amount of ash, and does not contain parts that are volatile below 600°C. Particles above 2.0 mm size are basically unchanged from their original state, those between 0.2 and 2.0 mm are a mixture of dust and of original materials. With increasing distance from the batteries the amount of larger particles decreases, and that of small ones increases. A need to provide suitable dust collection equipment is stressed. The author thanks Engineers Hulici, Snajdav and Trytek, workers at VZU-NHKG, for checking parts of this paper. Orig. art. has: 11 figures and 4 tables. [JPRS: 36,867]  
SUB CODE: 13 / SUBM DATE: none  
Card 1/1 fv

892/ 009

MASEK, VLADIMIR

Vyss. matematika. (Vyd. 1.) Praha, Statni pedagogicke nakl., 1953. 206 p.  
(Ucebni texty vysokych skol) (higher mathematics; a university textbook. 1st ed. illus.)

57: Monthly List of East European Accessions. (EEA), LC. Vol. 6, No. 6 June 1966, Uncl.

MASEK, Vladimir

MASEK, V.

Surfaces filled with focuses of parabolas on elliptic parabolas on elliptic paraboloids. p. 212. MATEMATICKO-FYZIKALNY CASOPIS. (Slovenska akademia vied). Vol. 5, no. 4, 1955.

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 5, No. 8, August 1956.



MASEK, Vladimir

Experimental K<sub>1</sub> channel of the gas loop of the VVR-S V UJV  
reactor. Jaderna energie 10 no. 2:53 F '64.

1. Ustav jaderného výzkumu, Československá akademie věd,  
Rez.

MASEK, Zdenek, inz., CSc.

Effect of the gas turbine blade shape and surface finishing on  
the blade aerodynamic parameters. Zpravodaj VZLU no.1:53-59 '63.

L-25120-55 EN(d)/ENP(1)/ENP(m)/ENP(n)/ENP(o)/ENP(p)/ENP(q)/ENP(r)/ENP(s)/ENP(t)/ENP(u)/ENP(v)/ENP(w)/ENP(x)/ENP(y)/ENP(z)/ENP(aa)/ENP(ab)/ENP(ac)/ENP(ad)/ENP(ae)/ENP(af)/ENP(ag)/ENP(ah)/ENP(ai)/ENP(aj)/ENP(ak)/ENP(al)/ENP(am)/ENP(an)/ENP(ao)/ENP(ap)/ENP(aq)/ENP(ar)/ENP(as)/ENP(at)/ENP(au)/ENP(av)/ENP(aw)/ENP(ax)/ENP(ay)/ENP(az)/ENP(ba)/ENP(bb)/ENP(bc)/ENP(bd)/ENP(be)/ENP(bf)/ENP(bg)/ENP(bh)/ENP(bi)/ENP(bj)/ENP(bk)/ENP(bl)/ENP(bm)/ENP(bn)/ENP(bo)/ENP(bp)/ENP(bq)/ENP(br)/ENP(bs)/ENP(bt)/ENP(bu)/ENP(bv)/ENP(bw)/ENP(bx)/ENP(by)/ENP(bz)/ENP(ca)/ENP(cb)/ENP(cc)/ENP(cd)/ENP(ce)/ENP(cf)/ENP(cg)/ENP(ch)/ENP(ci)/ENP(cj)/ENP(ck)/ENP(cl)/ENP(cm)/ENP(cn)/ENP(co)/ENP(cp)/ENP(cq)/ENP(cr)/ENP(cs)/ENP(ct)/ENP(cu)/ENP(cv)/ENP(cw)/ENP(cx)/ENP(cy)/ENP(cz)/ENP(da)/ENP(db)/ENP(dc)/ENP(dd)/ENP(de)/ENP(df)/ENP(dg)/ENP(dh)/ENP(di)/ENP(dj)/ENP(dk)/ENP(dl)/ENP(dm)/ENP(dn)/ENP(do)/ENP(dp)/ENP(dq)/ENP(dr)/ENP(ds)/ENP(dt)/ENP(du)/ENP(dv)/ENP(dw)/ENP(dx)/ENP(dy)/ENP(dz)/ENP(ea)/ENP(eb)/ENP(ec)/ENP(ed)/ENP(ee)/ENP(ef)/ENP(eg)/ENP(eh)/ENP(ei)/ENP(ej)/ENP(ek)/ENP(el)/ENP(em)/ENP(en)/ENP(eo)/ENP(ep)/ENP(eq)/ENP(er)/ENP(es)/ENP(et)/ENP(eu)/ENP(ev)/ENP(ew)/ENP(ex)/ENP(ey)/ENP(ez)/ENP(fa)/ENP(fb)/ENP(fc)/ENP(fd)/ENP(fe)/ENP(ff)/ENP(fg)/ENP(fh)/ENP(fi)/ENP(fj)/ENP(fk)/ENP(fl)/ENP(fm)/ENP(fn)/ENP(fo)/ENP(fp)/ENP(fq)/ENP(fr)/ENP(fs)/ENP(ft)/ENP(fu)/ENP(fv)/ENP(fw)/ENP(fx)/ENP(fy)/ENP(fz)/ENP(ga)/ENP(gb)/ENP(gc)/ENP(gd)/ENP(ge)/ENP(gf)/ENP(gg)/ENP(gh)/ENP(gi)/ENP(gj)/ENP(gk)/ENP(gl)/ENP(gm)/ENP(gn)/ENP(go)/ENP(gp)/ENP(gq)/ENP(gr)/ENP(gs)/ENP(gt)/ENP(gu)/ENP(gv)/ENP(gw)/ENP(gx)/ENP(gy)/ENP(gz)/ENP(ha)/ENP(hb)/ENP(hc)/ENP(hd)/ENP(he)/ENP(hf)/ENP(hg)/ENP(hi)/ENP(hj)/ENP(hk)/ENP(hl)/ENP(hm)/ENP(hn)/ENP(ho)/ENP(hp)/ENP(hq)/ENP(hr)/ENP(hs)/ENP(ht)/ENP(hu)/ENP(hv)/ENP(hw)/ENP(hx)/ENP(hy)/ENP(hz)/ENP(ia)/ENP(ib)/ENP(ic)/ENP(id)/ENP(ie)/ENP(if)/ENP(ig)/ENP(ih)/ENP(ii)/ENP(ij)/ENP(ik)/ENP(il)/ENP(im)/ENP(in)/ENP(io)/ENP(ip)/ENP(iq)/ENP(ir)/ENP(is)/ENP(it)/ENP(iu)/ENP(iv)/ENP(iw)/ENP(ix)/ENP(iy)/ENP(iz)/ENP(ja)/ENP(jb)/ENP(jc)/ENP(jd)/ENP(je)/ENP(jf)/ENP(jg)/ENP(jh)/ENP(ji)/ENP(jj)/ENP(jk)/ENP(jl)/ENP(jm)/ENP(jn)/ENP(jo)/ENP(jp)/ENP(jq)/ENP(jr)/ENP(js)/ENP(jt)/ENP(ju)/ENP(jv)/ENP(jw)/ENP(jx)/ENP(jy)/ENP(jz)/ENP(ka)/ENP(kb)/ENP(kc)/ENP(kd)/ENP(ke)/ENP(kf)/ENP(kg)/ENP(kh)/ENP(ki)/ENP(kj)/ENP(kk)/ENP(kl)/ENP(km)/ENP(kn)/ENP(ko)/ENP(kp)/ENP(kq)/ENP(kr)/ENP(ks)/ENP(kt)/ENP(ku)/ENP(kv)/ENP(kw)/ENP(kx)/ENP(ky)/ENP(kz)/ENP(la)/ENP(lb)/ENP(lc)/ENP(ld)/ENP(le)/ENP(lf)/ENP(lg)/ENP(lh)/ENP(li)/ENP(lj)/ENP(lk)/ENP(ll)/ENP(lm)/ENP(ln)/ENP(lo)/ENP(lp)/ENP(lq)/ENP(lr)/ENP(ls)/ENP(lt)/ENP(lu)/ENP(lv)/ENP(lw)/ENP(lx)/ENP(ly)/ENP(lz)/ENP(ma)/ENP(mb)/ENP(mc)/ENP(md)/ENP(me)/ENP(mf)/ENP(mg)/ENP(mh)/ENP(mi)/ENP(mj)/ENP(mk)/ENP(ml)/ENP(mn)/ENP(mo)/ENP(mp)/ENP(mq)/ENP(mr)/ENP(ms)/ENP(mt)/ENP(mu)/ENP(mv)/ENP(mw)/ENP(mx)/ENP(my)/ENP(mz)/ENP(na)/ENP(nb)/ENP(nc)/ENP(nd)/ENP(ne)/ENP(nf)/ENP/ng)/ENP(nh)/ENP(ni)/ENP(nj)/ENP(nk)/ENP(nl)/ENP(nm)/ENP(nn)/ENP(no)/ENP(np)/ENP(nq)/ENP(nr)/ENP(ns)/ENP(nt)/ENP(nu)/ENP(nv)/ENP(nw)/ENP(nx)/ENP(ny)/ENP(nz)/ENP(oa)/ENP(ob)/ENP(oc)/ENP(od)/ENP(oe)/ENP(of)/ENP(og)/ENP(oh)/ENP(oi)/ENP(oj)/ENP(ok)/ENP(ol)/ENP(om)/ENP(on)/ENP(oo)/ENP(op)/ENP(oq)/ENP(or)/ENP(os)/ENP(ot)/ENP(ou)/ENP(ov)/ENP(ow)/ENP(ox)/ENP(oy)/ENP(oz)/ENP(pa)/ENP(pb)/ENP(pc)/ENP(pd)/ENP(pe)/ENP(pf)/ENP(pg)/ENP(ph)/ENP(pi)/ENP(pj)/ENP(pk)/ENP(pl)/ENP(pm)/ENP(pn)/ENP(po)/ENP(pp)/ENP(pq)/ENP(pr)/ENP(ps)/ENP(pt)/ENP(pu)/ENP(pv)/ENP(pw)/ENP(px)/ENP(py)/ENP(pz)/ENP(qa)/ENP(qb)/ENP(qc)/ENP(qd)/ENP(qe)/ENP(qf)/ENP(qg)/ENP(qh)/ENP(qi)/ENP(qj)/ENP(qk)/ENP(ql)/ENP(qm)/ENP(qn)/ENP(qo)/ENP(qp)/ENP(qq)/ENP(qr)/ENP(qs)/ENP(qt)/ENP(qu)/ENP(qv)/ENP(qw)/ENP(qx)/ENP(qy)/ENP(qz)/ENP(ra)/ENP(rb)/ENP(rc)/ENP(rd)/ENP(re)/ENP(rf)/ENP(rg)/ENP(rh)/ENP(ri)/ENP(rj)/ENP(rk)/ENP(rl)/ENP(rm)/ENP(rn)/ENP(ro)/ENP(rp)/ENP(rq)/ENP(rr)/ENP(rs)/ENP(rt)/ENP(ru)/ENP(rv)/ENP(rw)/ENP(rx)/ENP(ry)/ENP(rz)/ENP(sa)/ENP(sb)/ENP(sc)/ENP(sd)/ENP(se)/ENP(sf)/ENP(sg)/ENP(sh)/ENP(si)/ENP(sj)/ENP(sk)/ENP(sl)/ENP(sm)/ENP(sn)/ENP(so)/ENP(sp)/ENP(sq)/ENP(sr)/ENP(ss)/ENP(st)/ENP(su)/ENP(sv)/ENP(sw)/ENP(sx)/ENP(sy)/ENP(sz)/ENP(ta)/ENP(tb)/ENP(tc)/ENP(td)/ENP(te)/ENP(tf)/ENP(tg)/ENP(th)/ENP(ti)/ENP(tj)/ENP(tk)/ENP(tl)/ENP(tm)/ENP(tn)/ENP(to)/ENP(tp)/ENP(tq)/ENP(tr)/ENP(ts)/ENP(tt)/ENP(tu)/ENP(tv)/ENP(tw)/ENP(tx)/ENP(ty)/ENP(tz)/ENP(ua)/ENP(ub)/ENP(uc)/ENP(ud)/ENP(ue)/ENP(uf)/ENP(ug)/ENP(uh)/ENP(ui)/ENP(uj)/ENP(uk)/ENP(ul)/ENP(um)/ENP(un)/ENP(uo)/ENP(up)/ENP(uq)/ENP(ur)/ENP(us)/ENP(ut)/ENP(uy)/ENP(uz)/ENP(va)/ENP(vb)/ENP(vc)/ENP(vd)/ENP(ve)/ENP(vf)/ENP(vg)/ENP(vh)/ENP(vi)/ENP(vj)/ENP(vk)/ENP(vl)/ENP(vm)/ENP(vn)/ENP(vo)/ENP(vp)/ENP(vq)/ENP(vr)/ENP(vs)/ENP(vt)/ENP(vu)/ENP(vv)/ENP(vw)/ENP(vx)/ENP(vy)/ENP(vz)/ENP(wa)/ENP(wb)/ENP(wc)/ENP(wd)/ENP(we)/ENP(wf)/ENP(wh)/ENP(wi)/ENP(wj)/ENP(wk)/ENP(wl)/ENP(wm)/ENP(wn)/ENP(wo)/ENP(wp)/ENP(wq)/ENP(wr)/ENP(ws)/ENP(wt)/ENP(wu)/ENP(wv)/ENP(ww)/ENP(wx)/ENP(wy)/ENP(wz)/ENP(xa)/ENP(xb)/ENP(xc)/ENP(xd)/ENP(xe)/ENP(xf)/ENP(xg)/ENP(xh)/ENP(xi)/ENP(xj)/ENP(xk)/ENP(xl)/ENP(xm)/ENP(xn)/ENP(xo)/ENP(xp)/ENP(xq)/ENP(xr)/ENP(xs)/ENP(xt)/ENP(xu)/ENP(xv)/ENP(xw)/ENP(xx)/ENP(xy)/ENP(xz)/ENP(ya)/ENP(yb)/ENP(yc)/ENP(yd)/ENP(ye)/ENP(yf)/ENP(yg)/ENP(yh)/ENP(yi)/ENP(yj)/ENP(yk)/ENP(yl)/ENP(ym)/ENP(yn)/ENP(yo)/ENP(yp)/ENP(yq)/ENP(yr)/ENP(ys)/ENP(yt)/ENP(yu)/ENP(yv)/ENP(yw)/ENP(yx)/ENP(yz)/ENP(za)/ENP(zb)/ENP(zc)/ENP(zd)/ENP(ze)/ENP(zf)/ENP(zg)/ENP(zh)/ENP(zi)/ENP(zj)/ENP(zk)/ENP(zl)/ENP(zm)/ENP(zn)/ENP(zo)/ENP(zp)/ENP(zq)/ENP(zr)/ENP(zs)/ENP(zt)/ENP(zu)/ENP(zv)/ENP(zw)/ENP(zx)/ENP(zy)/ENP(zz)

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 AUTHOR: Maslov, N. (Engineer, Candidate of sciences)  
 TITLE: Effect of loss and intake temperature on the dependence of the turbine aerodynamic parameters on blade height

SOURCE: Izvestiya Vysshemykh i skulnykh letatskikh ustav. Zpravodaj vala, no. 1, 1964, 17-22

TOPIC TAGS: turbine blade height, aerodynamic parameter, temperature dependence, intake temperature, axial flow, three dimensional flow, adiabatic efficiency, single stage axial turbine, radial velocity component

ABSTRACT: The method most frequently employed until now to calculate three-dimensional flow through the stage of an axial turbine, in addition to the assumption that the flow is over the surface of coaxial circular cylinders, has been based on a large number of simplifying assumptions which do not correspond to physical realities. In spite of this, good results have been obtained, and this study was undertaken to investigate the nature of this phenomenon, which may conceal devia-

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tions of the simplified mathematical flow model from the actual flow. The justification of these simplifying assumptions in a design method which makes it possible to obtain an overall adiabatic efficiency of 90% in the case of a single stage axial turbine is analyzed and the following conclusions are drawn: 1) the assumption of isentropic flow gives reliable results only for the middle section of the blade upon which only the profile losses are acting; 2) consideration of the actual shape of the loss distribution makes it possible to explain certain important phenomena, the existence of which has been confirmed experimentally; 3) the shape of the temperature profile before the turbine has little effect on the dimensionless velocity distribution along the blade height; 4) the assumption of axial symmetry is justified; and 5) to obtain similar conclusions valid for turbine stages other than those dealt with here, it would be necessary to take into account the radial component of velocity. Orig. art. has: 8 figures and 10 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: AF, ME

NO REF SOV: 001

OTHER: 002

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